

**LEGEND**

PROPOSED PIPELINE

LIMITS OF DISTURBANCE

PROPOSED PERMANENT EASEMENT

OPERATIONAL CORRIDOR

PROPOSED TREE LINE

EXISTING TREE LINE

WETLAND (SURVEYED)

WETLAND (PUBLIC)

PEM WETLAND LOD IMPACT

PSS WETLAND LOD IMPACT

PFO WETLAND LOD IMPACT

MODAG WETLAND LOD IMPACT

WATERBODY (SURVEYED)

WATERBODY (PUBLIC)

WATERBODY LOD IMPACT

TRANSITION AREA IMPACT

TRANSITION AREA

STREAM CENTERLINE (SURVEYED)

STREAM CENTERLINE (PUBLIC)

LIMITS OF WETLAND DELINEATION

PROPERTY LINE

PARCEL ID WITH BLOCK AND LOT NUMBER

EXISTING CULVERT

CORRUGATED PLASTIC PIPE

CORRUGATED METAL PIPE

HIGH DENSITY POLYETHYLENE PIPE

POLYVINYL CHLORIDE PIPE

REINFORCED CONCRETE PIPE

UNKNOWN

EXISTING FOREIGN UTILITY EASEMENT

EXISTING MAJOR CONTOURS

EXISTING MINOR CONTOURS

EXISTING PIPELINE

EXISTING OVERHEAD LINE

EXISTING TREE

EXISTING FENCE

WETLAND FLAG NO.

WETLAND FLAG

SAMPLE STATION

STATE OPEN WATER FLAG

PHOTO LOCATION (SEE REPORT)

**NOTES DEFINING PERMANENT AND TEMPORARY IMPACTS:**

PEM WETLAND IMPACTS ARE TEMPORARY

PSS WETLAND IMPACTS ARE TEMPORARY OUTSIDE OF OPERATIONAL CORRIDOR AND PERMANENT WITHIN OPERATIONAL CORRIDOR

PFO WETLAND IMPACTS ARE PERMANENT

MODAG WETLAND IMPACTS ARE TEMPORARY

WATERBODY IMPACTS ARE TEMPORARY

I AM A DULY REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT EXISTING CONDITIONS SHOWN WERE FIELD LOCATED AND PREPARED UNDER MY DIRECT SUPERVISION.

**THOMAS D. STRONG**  
PROFESSIONAL LAND SURVEYOR  
N.J. LIC. NO. 24GS03678100

SIGNATURE DATE 08/01/2019

I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT THE PROPOSED ENVIRONMENTAL DISTURBANCES SHOWN ARE ACCURATE AND CORRESPOND WITH THE DETAILED ENGINEERING DRAWINGS.

**MICHAEL J. DENICHILO**  
PROFESSIONAL ENGINEER  
N.J. LIC. NO. 24GE05078700

SIGNATURE DATE 08/01/2019



- NOTES:
- UNLESS THESE DRAWINGS ARE SPECIFICALLY DESIGNATED AS "CONSTRUCTION ISSUE", THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION OR IMPROVEMENTS DEPICTED HEREIN. CONTRACTORS SHALL NOTIFY THE DESIGN ENGINEER TO OBTAIN CONSTRUCTION DOCUMENTS.
  - THESE PLANS ARE FOR PERMITTING PURPOSES ONLY. THESE PLANS SHALL NOT BE USED FOR CONSTRUCTION.
  - WETLAND AND WATERBODY DELINEATION SURVEYS COMPLETED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS.
  - PHOTO LOCATIONS PROVIDED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS.
  - RIPARIAN ZONES AND WETLAND TRANSITION AREAS PROVIDED BY PAULUS, SOKOLOWSKI AND SARTOR (PS&S).
  - CIVIL SURVEY CONDUCTED AND DRAWINGS PREPARED BY MOTT MACDONALD.

REFERENCE DRAWINGS		REVISIONS						
DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	
		0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD	

APPROVALS		CLIENT APPROVAL	
DRAWN BY	DATE	DATE	
RJP	7/2019		
CHECKED BY	DATE		
KEK	7/2019		
ENG. APPROVAL	DATE		
MJD	7/2019		
P.M. APPROVAL	DATE		
MW	7/2019		

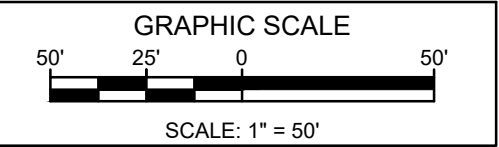
PREPARED FOR

PREPARED BY


111 WOOD AVENUE SOUTH, ISELIN, NJ, 08830  
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT		
PENNEAST PIPELINE FRESHWATER WETLAND PERMIT PLAN MP 91.3R2		
SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FWW-H-001	0

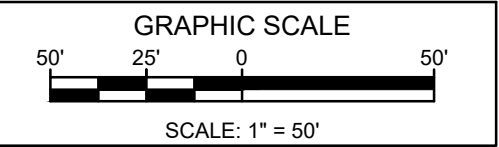





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REFERENCE DRAWINGS		REVISIONS						APPROVALS		<div><div>PREPARED FOR</div><div></div><div>CLIENT APPROVAL</div><div><div>PREPARED BY</div><div><div><div>MOTT MACDONALD</div><div>111 WOOD AVENUE SOUTH, ISLIN, NJ, 08830</div><div>CERTIFICATE NO. 24GA28016600</div></div></div></div></div>	PENNEAST PIPELINE PROJECT		
DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE		<div><div>SCALE</div><div>1" = 50'</div></div>	PENNEAST PIPELINE FRESHWATER WETLAND PERMIT PLAN MP 96.4R2	
		0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD	RJP	7/2019			<div><div>DRAWING NO.</div><div>PE-FWW-H-002</div></div>	<div><div>REVISION</div><div>0</div></div>
								CHECKED BY	DATE				
								KEK	7/2019				
								ENG. APPROVAL	DATE				
								MJD	7/2019				
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DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN BY	CK	APPR	DRAWN BY	DATE	<div>SCALE</div> <div>1" = 50'</div>		<div>DRAWING NO.</div> <div>PE-FWW-H-003</div>	<div>REVISION</div> <div>0</div>	
		0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD	RJP	7/2019					
								CHECKED BY	DATE					
								KEK	7/2019					
								ENG. APPROVAL	DATE					
								MJD	7/2019					
								P.M. APPROVAL	DATE	DATE				
								MW	7/2019	7/2019				